

### REMARKS

This is intended as a full and complete response to the First Office Action after the Request for Continuing Examination dated March 23, 2006 ("the Office Action") having a shortened statutory period for response set to expire on June 23, 2003.

In the Office Action, claim 38 was objected to. Claim 38 has been amended in accordance with the suggestion in the Office Action. This amendment involved the incorporation of the subject matter of claim 39 into claim 38. Accordingly, claim 39 has been cancelled without prejudice.

Claim 30 has been cancelled without prejudice, and subject matter from claim 30 has been incorporated into amended claims 1, 22, 28, 31, 34, 36, and 38, namely all of the independent claims.

Claims 1-41 were rejected under 35 U.S.C. § 103(a) as being obvious over Ian Kyles, "Creating Large Switch Fabrics Using the Three-Stage (Clos) Architecture," Copyright VITESSE Semiconductor Corporation, pp. 1-12 ("Kyles"), in view of Young et al., "A High I/O Reconfigurable Crossbar Switch," pp. 1-8 ("Young") or U.S. Application No. 6,460,173 ("Insenser"). With these rejections Applicants respectfully disagree at least for the below set forth reasons.

In the Office Action, Young is added to Kyles to indicate a reconfigurable crossbar switch implemented in a programmable logic device. As a side note, Insenser is added as indicated in the Office Action for purposes of showing an embedded microprocessor, and no reliance to the rejection of claim 30 is placed on Insenser.


In the Office Action it is stated with regard to the rejection of claim 30 that "Young teaches latency equalization to maintain constant clock latency across all paths using partially configurable delay registers..." Claims 1, 22, 28, 31, 34, 36, and 38 have been amended to claim the feature of having latency from any of the inputs cross-connected to any of the outputs be a same number of clock cycles without having to provide delay compensation. Thus, the "configurable delay registers" of Young for example need not be used, which conserves both resource utilization as well as power while reducing complexity.

Accordingly, it is respectfully submitted that amended claims 1, 22, 28, 31, 34, 36, and 38 should be allowed over the combination of Kyles in view of Young or Insenser. Furthermore, claims 2-21, 23-27, 29, 32-33, 35, 37, and 40-41, each of which depend upon an allowable base claim, are likewise allowable.

CONCLUSION

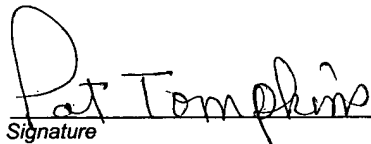
All claims are in condition for allowance and a Notice of Allowance is respectfully requested. If there are any questions, the applicants' attorney can be reached at Tel: 408-879-6149 (Pacific Standard Time).

Respectfully submitted,

  
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*I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on June 16, 2006.*

Pat Tompkins  
Name

  
Signature